

2024

GHG EMISSION REPORT



GHG EMISSION REPORT CY-2024



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Signature		
Document	Reviewed By	Approved By
Designation	GM-Quality	Director



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GHG EMISSION REPORT CY-2024

1) Letter from our leader

Dear Esteemed Colleagues,

I am pleased to present to you the Greenhouse Gas (GHG) Inventory Report for Melzer Chemicals Pvt Ltd for the January 2024 to December 2024.

This report is a critical component of our ongoing commitment to environmental responsibility, regulatory compliance, and alignment with global sustainability goals.

This is our second attempt to map our GHG and make an honest effort to understand our current position and prepare a plan to reduce the emissions as per define global climate goal.

The findings of this GHG Inventory Report underscore the importance of continuing to address our environmental impact. While we have made progress, there is ample opportunity for improvement. It is essential that we remain committed to reducing our carbon footprint as part of our broader sustainability goals.

In line with this commitment, we have set the following reduction targets:
to achieve a 50% reduction in Scope 1 and Scope 2 emissions by 2035, and to reach net-zero emissions by 2050.

Thank you for your continued dedication to environmental stewardship.



Director

Place: Pune



Date: 04/07/2025

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1) About this report

This Greenhouse Gas (GHG) Sustainability Report presents Melzer's carbon emissions and environmental performance for the reporting period of January 1, 2024, to December 31, 2024. The purpose of this report is to provide transparent and credible information to our stakeholders, including customers, regulatory bodies, partners, and employees, regarding our efforts to measure, manage, and reduce our carbon footprint.

The GHG inventory has been developed in accordance with internationally recognized standards, including the GHG Protocol and ISO 14064-1:2018, and has been verified and assured by TUV SUD South Asia Pvt. Ltd. It covers Scope 1 and Scope 2 emissions, and where relevant, includes selected Scope 3 categories. Emissions data was gathered from internal systems, metering devices, utility bills, and validated activity records.

This report also outlines the intensity metrics used to evaluate performance over time and includes a comparison of our carbon intensity between 2023 and 2024. Where applicable, emission reduction initiatives and projects are highlighted to showcase our commitment to continuous improvement.

The report has been prepared by Melzer's sustainability and environmental management teams and is intended for both internal review and external communication. It serves as a baseline for tracking progress against future reduction targets and broader sustainability goals.

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2) About Melzer

Embody the spirit of resilience as a First-generation entrepreneur who embarked on the journey of building Melzer Chemicals Private Limited from the ground up, without the advantage of family wealth or prior business experience. Driven by their passion, determination, and entrepreneurial spirit, dare to dream big and overcome numerous challenges to create successful enterprises. They personify the true essence of self-made businessmen, leaving a lasting impact on their industries and communities.

We MCPL are a leading specialty chemicals manufacturer committed to delivering innovative solutions to various industries worldwide. With a deep understanding of chemical formulations and cutting-edge technologies, we strive to meet the evolving needs of our customers. Our expertise lies in developing and manufacturing high-quality specialty chemicals that enhance the performance and functionality of a wide range of products across different sectors.

Manufacturing Excellence Our state-of-the-art manufacturing facilities are equipped with advanced production technologies and adhere to stringent quality control measures. We prioritize quality, safety, and sustainability in our manufacturing processes, ensuring consistent and reliable product performance.

Product Offering: We take pride in offering wide range of cost to quality products including but not restricted to

- ✓ Synthesis,
- ✓ Biocides
- ✓ Preservatives
- ✓ Water Treatment Polymers
- ✓ Various Specialty Chemicals

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Industries catering to Our extensive product portfolio includes a diverse range of specialty chemicals catering to various industries, including but not limited to:

- ✓ Oil & Gas Exploration
- ✓ Waste water Treatment
- ✓ Paper, Leather, Textiles
- ✓ Paints, Printing inks
- ✓ Adhesives
- ✓ Wood, Personal care
- ✓ Starches, Poultry
- ✓ Aqua Culture
- ✓ MWF

R&D: We invest significantly in R&D to drive innovation and develop cutting-edge specialty chemicals. Our dedicated team of scientists and researchers continually explore new formulations, applications, and technologies to meet industry demands.

Customized Solutions We collaborate closely with our customers to understand their unique requirements and offer tailored solutions. Our technical expertise allows us to customize formulations, optimize product performance, and provide exceptional customer support.

Global Presence We have established a strong global presence with a widespread distribution network. This enables us to serve customers across different geographies promptly and efficiently, ensuring timely delivery of our specialty chemicals.

Sustainability and Environmental Responsibility, we are committed to sustainability and environmental responsibility in all aspects of our business. Through responsible sourcing of raw materials, efficient manufacturing processes, and eco-friendly formulations, we strive to minimize our environmental footprint. Our sustainability initiatives also focus on

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waste reduction, energy conservation, and compliance with relevant environmental regulations. Together for sustainability (TFS) is certified by Deutsch Quality System (DQS) and achieved a score of 94.5%. Ecovadis achieved Bronze Medal having 51% percentile.

Quality Assurance: Quality is at the forefront of our operations. We maintain strict quality control measures throughout our manufacturing processes to ensure that our specialty chemicals meet the highest industry standards. Our quality assurance practices encompass raw material selection, process optimization, product testing, and continuous improvement.

Certifications and Compliance We adhere to international standards and hold relevant certifications to demonstrate our commitment to quality and regulatory compliance. Some of our certifications include

Our Certificates

ISO 9001:2015 – Quality Management



Melzer is certified to ISO 9001:2015, which ensures our operations follow a structured quality management approach. This standard promotes consistency, process efficiency, and continual improvement across all departments, enabling reliable data collection and performance tracking — essential for accurate and transparent GHG reporting.

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ISO 14001:2015 – Environmental Management System



ISO 14001:2015 certification demonstrates our commitment to identifying, managing, and reducing environmental impacts. It provides the foundation for our greenhouse gas monitoring, target-setting, and reduction initiatives by integrating environmental considerations into operational planning and decision-making.

ISO 45001:2018 – Occupational Health & Safety Management



With ISO 45001:2018 certification, Melzer prioritizes employee health, safety, and well-being. A safe and resilient workforce supports the consistent implementation of environmental practices and GHG initiatives, ensuring that sustainability is embedded in all levels of our operations.

GMP



Melzer holds GMP certification, ensuring that our products are consistently manufactured and controlled according to rigorous quality standards. GMP supports our sustainability goals by promoting resource efficiency, waste reduction, and strict process control — all of which contribute to minimizing environmental impact and enhancing our GHG performance

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Sustainability



TOGETHER FOR
SUSTAINABILITY

As a member of Together for Sustainability (TFS), Melzer aligns with global best practices for sustainable supply chain management. TFS membership enhances our ability to monitor environmental and social risks, ensure supplier compliance, and drive measurable improvements in sustainability performance across procurement and operations.

Ecovadis



Melzer has been rated by Ecovadis, a globally recognized platform for sustainability performance. This assessment evaluates our practices in environmental management, labor and human rights, ethics, and sustainable procurement. Our rating reflects a strong commitment to continuous improvement and responsible business practices across the value chain.

Halal



Melzer has been rated by Ecovadis, a globally recognized platform for sustainability performance. This assessment evaluates our practices in environmental management, labor and human rights, ethics, and sustainable procurement. Our rating reflects a strong commitment to continuous improvement and responsible business practices across the value chain.

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Kosher



Melzer holds Kosher certification, confirming that our products meet strict standards of cleanliness, quality, and ingredient sourcing in line with Jewish dietary laws. This certification reflects our commitment to traceability and controlled manufacturing practices, contributing to overall supply chain transparency and environmental responsibility.

REACH



Melzer complies with the European Union's REACH (Registration, Evaluation, Authorization and Restriction of Chemicals) regulation, ensuring the safe use of chemicals throughout the lifecycle of our products. REACH registration supports our commitment to regulatory compliance, and responsible chemical management in line with sustainability objectives.

- Completed Carbon Disclosure Project (CDP).
- Government of India, Ministry of Fisheries, Animal Husbandry & Dairying Certification of Health Certificate for use of Few products in Fisheries

Final or conclusion statement as a leading/competitive specialty chemicals manufacturer, we are dedicated to providing innovative solutions that enhance the performance, functionality, and sustainability of products across various industries. With our expertise, commitment to quality, and customer-centric approach, we aim to be your trusted partner in specialty chemicals. Contact us today to discover how our products can add value to your business.

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Corporate Philosophy and Vision

Melzer views and believes that by following a quality, environment, health, and safety management system.

- a) the customers will derive more benefits against their money's worth by usage of Melzer products,
- b) it will establish and maintain Melzer's significant presence in competitive global business,
- c) the employees and associates will derive great satisfaction and carry pride while working with Melzer and
- d) Society at large will have long-term benefits from Melzer's continuing efforts on establishing higher controls on toxicity (which is otherwise likely to be generated from such products, even when there is no conscious awareness of society about the happenings on health and safety front from similar products in general).
- e) We will/have publicly announced our living wage quantitative target

Core Values-

- Care : Moral, Safety & Ethical
- Trust : Respect, Transparency & Integrity.
- Passion & Commitment : Responsibility, Proactive approach, Accountability & Innovative.
- Discipline : Customer Centric, Development & Adaptability.

Vision:

To foster a culture of innovation and entrepreneurship founded on the Melzer Core Values that promotes sustained employee engagement, development & welfare aligned to individual and organizational goals & objectives.

Melzer Vision affirms that people are the organization's prime assets. Together they will

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sustain & ensure the Company's growth as an institution with vitality & perpetuity.

Mission:

"We melzer chemicals Pvt Ltd prioritize sustainability as an integral part of our business strategy. Through responsible and ethical practices, we are dedicated to minimizing the environmental impact of our operations, promoting the efficient use of resources, and continuously improving our products' lifecycle. We are committed to advancing the circular economy by promoting recycling, waste reduction, and the development of eco-friendly alternatives.

Our success is not solely measured by financial achievements but also by the positive impact we make on society. We prioritize the health and safety of our employees, stakeholders, and communities in which we operate. We foster a culture of inclusivity, diversity, and equal opportunity, empowering our workforce to reach their full potential and contribute to our collective success"



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Manufacturing & Storage block



Manufacturing Area



Warehouse

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3) Organization Boundary:

To ascertain the operational boundary, the **Melzer Chemicals Pvt. Ltd.** Plot No. A-11, A-11/B, A-29, A-30, A-31 & W-10, MIDC Kurkumbh, Tal- Daund, Dist- Pune, Pin- 413802, Maharashtra. has identified several sources of emissions of Greenhouse Gas (GHG) associated with its operations including carbon dioxide (CO₂)

Location :

<https://maps.app.goo.gl/XfkWNFYM8mdmzYQh8>

4) Reporting Boundary

The annual GHG Inventory – Scope 1, Scope 2, and Scope 3 in accordance with the requirements of GHG Protocol –the principles & requirements of Corporate Standard and Scope-3 standard, in all material respects.

Melzer is taken for reporting boundary as per below during the reporting period

Sr. No.	GHG Emission Category	Criteria
1	Scope-I Direct GHG emissions tCO2e Method: Activity data x Emission Factor	
1.1	Direct emissions from Stationary combustion 1 DG Set 250 KVA & 2 Boiler of 1.0 & 0.6 MT & 1 Thermic Fluid Heater (1 Lac KCal/hr)	Significant
1.2	Direct emission from mobile combustion Company Vehicle: 02 No's, Forklift: 03 Nos	Significant
1.3	Direct process emissions & removals arise from industrial process	Not applicable

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Sr. No.	GHG Emission Category	Criteria
1.4.1	Direct Fugitive emissions arise from the release of greenhouse gases in anthropogenic systems for CO2 refilling CO2 Fire Extinguisher refilling: 19 CO2 cylinder of 9 Kgs	Significant
1.4.2	Direct Fugitive emissions arise from the release of greenhouse gases in anthropogenic systems for AC gas refilling AC :16 Nos, Air Compressor-Refrigerant Air dryer: 2 Nos, Fridge: 3 Nos, Stability chamber: 3 Nos De-freezer: 1 No, Company Vehicle air condition: 4 No, Plant Chiller: 1 No, Drinking water cooler- 2 Nos	Significant
2	Scope-II Indirect GHG Emissions from imported energy	
2.1	Indirect Emissions from imported electricity	Significant
2.2	Indirect Emissions from imported energy	Not applicable
3	Scope-III All indirect emissions (not included in scope 2) that occur in the value chain of the reporting company, including both upstream and downstream emissions	
3.1	Purchased goods & Services- Spend Based Method	Significant
3.1.1	Purchased goods & Services- Electronics repair & Maintenance	
3.1.2a	Purchased goods & Services- Raw material from Domestic	
3.1.2b	Purchased goods & Services- Raw material from Import	
3.1.3	Purchased goods & Services- Packing material from Domestic	
3.1.4	Purchased goods & Services- Service	
3.1.5	Purchased goods & Services- Laboratory & Admin	

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Sr. No.	GHG Emission Category	Criteria
3.2	Capital goods	Significant
3.2.1	Emissions from capital goods from Domestic	Not applicable
3.2.2	Emissions from capital goods from Import	Significant
3.3	Fuel- and energy related activities (not included in scope 1 scope 2)	
3.4	Upstream Transportation & Distribution	Significant
3.4.1	Emissions from upstream transport and distribution for goods- Raw material & Packing material from domestic market	Significant
3.4.2	Emissions from upstream transport and distribution for goods- Raw material & Packing material from international market	Significant
3.5	Waste generated in Operation	Significant
3.6	Business travel	Significant
3.7	Employee Commuting	Not applicable
3.8	Upstream Leased assets	Significant
3.9	Downstream transportation and distribution	
3.9.1	Downstream transportation and distribution-Local	
3.9.2	Downstream transportation and distribution-Export	
3.9.3	Downstream transportation and distribution-Rejected product returned from customer	Not applicable
3.10	Processing of sold products	Not applicable
3.11	Use of sold products	Not applicable
3.12	End-of-life treatment of sold products	Not applicable
3.13	Downstream leased assets	Not applicable
3.14	Franchises	Not applicable

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We Melzer chemicals Pvt Ltd are committed to follow the five principles of GHG accounting

1) Relevance:

The inventory captures emissions and removals that are significant to the organization's operations and that addressed the needs of key stakeholders such as Customers, Suppliers, investors, Government & NGOs. Focus is given to including indirect emissions that meaningfully impact the organization's overall environmental footprint.

2) Completeness:

All relevant GHG emissions and removals within the defined organizational and operational boundaries have been accounted for. This includes both direct and significant indirect emissions to ensure that the inventory provides a complete and balanced representation of the organization's climate impact.

3) Consistency:

Consistent methods and data sources have been applied across reporting periods to allow for accurate comparisons over time. Where changes in calculation methods, boundary definitions, or data inputs have occurred, these have been documented to ensure continuity and clarity in the interpretation of results.

4) Transparency:

All assumptions, data sources, methodologies, and exclusions are clearly documented and disclosed. This openness allows users to fully understand the basis of the inventory and supports verification and audit processes.

5) Accuracy:

Efforts have been made to ensure that all reported data is as accurate and reliable as practicable. Emission estimates are based on credible data sources, scientifically valid calculation methods, and recognized emission factors. Inclusion of relevant indirect emissions was assessed to ensure that the inventory totals are reasonably free from material misstatements or uncertainty.

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Methodology:

Data for the various GHG sources was maintained by the respective departments of the Company in excelspreadsheet format and was checked with the source documents.

GHG source type	GHG activity data	Evidence Source	Frequency of collection
Scope-I			
Boiler & Thermic Fluid	Light Diesel Oil Quantity (Liters)	Fuel Bills (SAP)	As Required
DG set	Diesel (Liters)	Fuel Bills (SAP)	As Required
MCPL Company Cars & Forklift	Diesel Quantity (Liters)	Fuel Bills through HPCL Smart Card System	As Required
AC, Dryer, Cooler, Refrigerator, Freeze, Chiller, CO2 fire extinguishers	CO2 Refill Quantity(Kg)	Amount Submitted by Vendor	Monthly
Scope-II			
Purchased Electricity	Electricity Consumption (kWh)	Electricity Bills	Monthly
Scope-III			
Purchased Goods and Services	1) Raw material: Basic Organic Chemicals 2) Consumables: Electronics repairs & Maintenance 3) Packaging Material - All other Plastic product manufacturing (HDPE Carboys, Drums, IBC, Paper bag, Jumbo Bag etc.)	SAP record Spend Based Method: USEEIO 2024	As Required

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	4) Services 5) Laboratory & Admin		
Capital Goods	All other miscellaneous general purposes, chemical manufacturing	SAP record Spend Based Method : USEEIO 2024	As Required
Fuel- and Energy-Related Activities Not Included in Scope 1 or Scope 2	Well to tank farm. Emission factors consider for LDO, Diesel & Petrol.	Distance & Weight of product based on vendor location & bills Distance based method	As Required
Upstream Transportation and Distribution	Raw material suppliers, Consumables, Packing material suppliers, Capex material suppliers etc.	Invoice / SAP record Distance based method	As Required
Waste Generated in Operations	Process residue, ETP Sludge, Empty Plastic barrel, E-waste	Actual generation at manufacturing site	Monthly
Business Travel Air travel	Class & Sectors/ Passenger Kilometers (per Km)	Excel sheet based on Flight bills Distance based method	Monthly
Employee Commuting	Own car, Bike, Bus, Bicycle	Individual form No.HR/QF/044 & Ascent software Distance based method	Yearly

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Downstream Transportation & Distribution	Approved transporter vehicle	Transporter bill Distance based method	As Required
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6) Quantified GHG Inventory of Emission

The reported GHG emissions for the reporting period for the year ended December 31, 2024

GHG Sources: CO₂

Reporting year 01st January 2024 to 31 December 2024

Sr. No.	GHG Emission Category	Applicability / Significant	GHG Emission in tCO ₂ e	GHG Source	Remarks
1	Scope-I				
1.1	Direct emissions from Stationary combustion	Significant	809.73	CO ₂	1 DG Set 250 KVA & 2 Boiler of 1.0 & 0.6 MT & 1 Thermic Fluid Heater (1 Lac KCal/hr)
1.2	Direct emission from mobile combustion	Significant	24.45	CO ₂	Company Vehicle: 02 Nos, Forklift: 03 Nos
1.3	Direct process emissions & removals arise from industrial process	Not applicable	0.00	--	
1.4.1	Direct Fugitive emissions arise from the release of greenhouse gases in	Significant	0.17	CO ₂	C O ₂ Fire Extinguisher refilling 19 Nos of 9 Kgs

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Sr. No.	GHG Emission Category	Applicability / Significant	GHG Emission in tCO ₂ e	GHG Source	Remarks
	anthropogenic systems for CO ₂ refilling				
1.4.2	Direct Fugitive emissions arise from the release of greenhouse gases in anthropogenic systems for AC gas refilling	Significant	0.00	--	CO ₂ refilling:19 Nos CO ₂ cylinder of 9 Kgs, AC :16 Nos, Air Compressor-02 Nos, Refrigerant Air dryer: 2 Nos, Fridge: 3 Nos, Stability chamber: 3 Nos De-freezer: 1 No, Company Vehicle air condition: 4 No, Plant Chiller: 1 No, Drinking water cooler- 2 Nos
					834.35
2	Scope-II				
2.1	Indirect Emissions from imported electricity	Significant	1410.93	CO ₂	Connected Load: 350 kw, Source from Maharashtra State Electricity Distribution Co. Ltd.

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Sr. No.	GHG Emission Category	Applicability / Significant	GHG Emission in tCO ₂ e	GHG Source	Remarks
2.2	Indirect Emissions from imported energy	Not applicable	0	--	No such energy use.
					1410.93
3	Scope-III				
3.1	Purchased Goods and Services		19520.09	CO ₂	
3.1.1	Electronics repair & Maintenance.		138.46	CO ₂	Consumables: Electronics repairs & Maintenance
3.1.2 a	Raw Material from Domestic		11770.52	CO ₂	Basic Organic & Inorganics Chemicals
3.1.2 b	Raw Material from Import		7078.88	CO ₂	Basic Organic & Inorganics Chemicals
3.1.3	Packing Material		441.54	CO ₂	All other Plastic product manufacturing (HDPE Carboys, Drums, IBC, Paper bag, Jumbo Bag etc.)
3.1.4	Services	Significant	79.01	CO ₂	Installation, Calibration, Repair & Maintenance etc.

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Sr. No.	GHG Emission Category	Applicability / Significant	GHG Emission in tCO ₂ e	GHG Source	Remarks
3.1.5	Laboratory & Admin	Significant	11.68	CO ₂	Laboratory Chemicals, consumables, Glass wares, Samples bottles & Stationary.
3.2	Capital Goods	Significant	307.94	CO ₂	Capex: All other miscellaneous general purpose machinery Manufacturing
3.3	Fuel- and Energy-Related Activities Not Included in Scope 1 or Scope 2	Significant	1.93	CO ₂	Well to tank farm. Emission factors consider for LDO, Diesel & Petrol.
3.4	Upstream Transportation and Distribution		316.34	CO ₂	Only road Transport
3.4.1	Emissions from upstream transport and distribution for goods- Raw material & Packing material from domestic market	Significant	160.97	CO ₂	Number of Raw material suppliers: 122 & Packing material suppliers: 22
3.4.2	Emissions from upstream transport		155.37	CO ₂	Number of suppliers: 36

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Sr. No.	GHG Emission Category	Applicability / Significant	GHG Emission in tCO ₂ e	GHG Source	Remarks
	and distribution for goods- Raw material & Packing material from international market				
3.5	Waste Generated in Operations	Significant	273.34	CO ₂	Process residue, ETP Sludge, Empty Plastic barrel, E-waste
3.6	Business Travel (Only air & train travel considered during reporting period)	Significant	13.82	CO ₂	Flight & train travel
3.7	Employee Commuting (Only Permanent employees considered during reporting period)	Significant	61.71	CO ₂	Own car, Bike, Bus, Bicycle
3.8	Upstream Leased Assets	Not applicable	0	--	
3.9	Downstream Transportation and Distribution	Significant	655.94	CO ₂	
3.9.1	Downstream transportation and distribution-Local		264.62	CO ₂	Only road Transport

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Sr. No.	GHG Emission Category	Applicability / Significant	GHG Emission in tCO ₂ e	GHG Source	Remarks
3.9.2	Downstream transportation and distribution-Export		384.36	CO ₂	Only sea transport
3.9.3	Downstream transportation and distribution-Rejected product returned from customer.		6.96	CO ₂	
3.10	Processing of Sold Products	Not applicable	0	--	
3.11	Use of Sold Products	Not applicable	0	--	
3.12	End-of-Life Treatment of Sold Products	Not applicable	0	--	Our FG is for B2B segment
3.13	Downstream Leased Assets	Not applicable	0	--	
3.14	Franchises	Not applicable	0	--	No franchise
3.15	Investments	Not applicable	0	--	No investment
					21151.11
	Total of Scope I, II & III	23396.40			

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Summary:

Scope	Scope wise GHG Emission tCO2e
Scope-I	834.35
Scope-II	1410.93
Scope-III	21151.11
Total	23396.40

Uncertainty

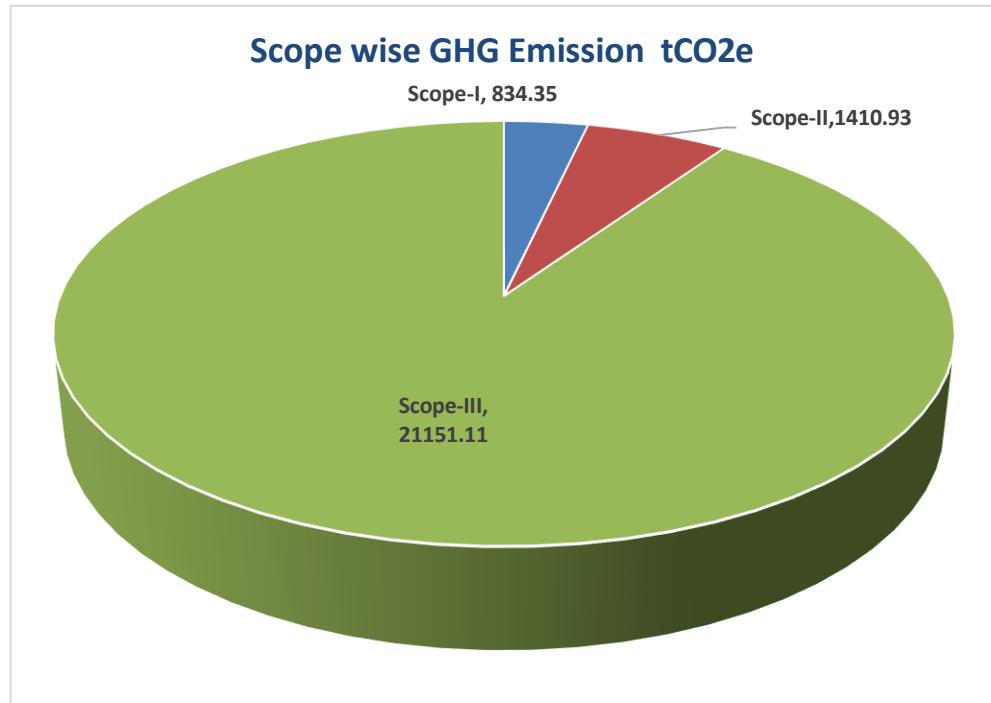
The reported GHG emission uncertainty for the reporting period 01st January 2024 to 31st December 2024 are:

Scope	Scope wise GHG Emission tCO2e	Uncertainty%	Uncertainty tCO2e
Scope-I	834.35	0%	0
Scope-II	1410.93	0%	0
Scope-III	21151.11	10%	2115.11

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7) Carbon intensity/Performance analysis:

Scope	Scope wise GHG Emission tCO2e	Sale in MT (01 Jan 2024 to 31 Dec. 2024)	tCO2e/MT
Scope-I	834.35	13582	0.06
Scope-II	1410.93	13582	0.10
Scope-III	21151.11	13582	1.56
Total	23396.40	13582	1.72



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8) Comparative Carbon intensity/Performance analysis 2023 & 2024:

Scope	Scope wise GHG Emission tCO2e		Production (23-24) & Sales in MT (2024)		tCO2e/MT		Difference
	2023	2024	(01 April 2023 to 31 March 2024)	(01 Jan 2024 to 31 Dec. 2024)	2023	2024	
Scope-I	751.07	834.35	12674.43	13582.00	0.06	0.06	0
Scope-II	1306.36	1410.93	12674.43	13582.00	0.10	0.10	0
Scope-III	19401.77	21151.11	12674.43	13582.00	1.53	1.56	+0.03
Total	21459.19	23396.40	12674.43	13582.00	1.69	1.72	+0.03

Note:

- 1) Previous reporting period was financial year (1st April 2023 to 31st March 2024).
This year's reporting period is Calendar year. (1st Jan to 31st Dec 2024)
- 2) Previous performance was calculated based on production quantity in MT.
This year's performance is calculated based on sales quantity in MT.
- 3) This year's there is inclusion of Subcategory, namely Rejected products returned from customers in scope III.
- 4) This year's there is inclusion of Train trips in business travel in scope III.

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9) GHG Reduction Initiatives

- We have plans to develop carbon neutrality by 2050.
- We are considering Solar system installation for our upcoming project and Existing plant in same Industrial area.
- We are considering installing either MVR technology or FFE to reduce the total time spent on product distillation, expected time reduction by at least 60%.
- Motion sensors are installed into common areas & corridors to conserve electricity.
- Replaced electric operated pumps by Installing Air Operating Transfer Pumps (ATFD).
- Installed Variable Frequency devices (VFD) to the reactor to minimize electrical consumption.
- Old electrical pumps are replaced with highly efficient pumps.

10) Reduction Targets

- To achieve a 50% reduction in Scope 1 and Scope 2 emissions by 2035
- To reach net-zero emissions by 2050.

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11) Annexure

Sr. No.	Category	Reference
01	Stationary combustion, Mobile combustion, Fugitive emission, Fuel- and Energy-Related Activities Not Included in Scope 1 or Scope 2, Upstream Transportation and Distribution, Waste Generated in Operations, Business Travel, Employee Commuting, Downstream Transportation and Distribution.	Emission Factor (DEFRA - UK 2024)
02	Purchase Electricity	Emission Factor (CEA-India 2024)
03	Purchased Goods and Services, Capital Goods,	Emission Factor (US EEIO - 2024 KgCO2e/USD)

Report custodian:

Mr. Rajendra Gunjal
General Manager-Quality
e-mail ID : r.gunjal@melzerspeciality.com

GHG Assurance Statement

Certificate No – VVB-VER-25/019/00

Report No – 3153142115



**M/s. Melzer Chemicals Pvt. Ltd.,
Plot No. A-11, A-11/B, A-29, A-30, A-31 & W-10, MIDC Kurkumbh,
Tal- Daund, Dist- Pune, Pin- 413802, Maharashtra, India**

for the year 2024 for its operation was verified as per **ISO 14064- 3:2019** in compliance with: The Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard.

We hereby confirm that based on the Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard for the reporting period of 01st January 2024 – 31st December 2024.

Scopes opted for Demonstration: **Scope I** **Scope II** **Scope III**

Total GHG Emission Reported	23,396.39	tCO ₂ eq
Scope 1 – Direct GHG Emissions & Removals	834.35	tCO ₂ eq
Scope 2 – Indirect GHG Emissions from Imported Energy	1,410.93	tCO ₂ eq
Scope 3 – Indirect GHG Emissions from Others	21,151.11	tCO ₂ eq

GHG Sources: CO₂ CH₄ N₂O HFCs PFCs SF₆ NF₃

Level of assurance: Limited

M/s Melzer Chemicals Pvt. Ltd for the period 01st January 2024 to 31st December 2024 is verified by TÜV SÜD team to a limited level of assurance, consistent with the agreed verification scope, objectives, and criteria.

Level of materiality: The materiality required of this verification was considered by TÜV SÜD to be **±10%** for deviations in sampled data.

This assurance statement is only valid for the mentioned scope and in combination with the objectives, explanations and criteria for evaluation specified in the following page 2 to 4 of this verification statement.

Issued on: 20-08-2025

Signature:

Tushar Chaudhari

Head – Validation and Verification Body for 'Environment and Energy'